Register your product and get support at

www.philips.com/welcome

BDP7500

EN **User manual**

PHILIPS

Important notes for users in U.K.

Mains plug

This apparatus is fitted with an approved moulded plug. Should it become necessary to replace the main fuse, this must be replaced with a fuse of same value as indicated on the plug (example 10A).

1. Remove fuse cover and fuse.
2. The replacement fuse must comply with BS1362 and have the A.S.T.A. approval mark. If the fuse is lost, contact your dealer in order to verify the correct type.
3. Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be detached from the mains cord.

Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

LASER

CAUTION:
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION:
VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

LOCATION:
INSIDE, NEAR THE DECK MECHANISM.

Italia

DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio BDP7500, Philips risponde alle prescrizioni dell'art. 2 comma 1 del D.M. 28 Agosto 1995 n.548.
Fatto a Eindhoven

Philips Consumer Lifestyles
Philips, Glaslaan 25616 JB Eindhoven,
The Netherlands

Norge

Typeskilt fi nnes på apparatens underside.

**Observer: Nettbryteren er sekundert innkoplet. Den innebygde netdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.**

For å redusere faren for brann eller elektrisk støt, skal apparatet ikke utsettes for regn eller fuktighet.

DK

Advarsel: Usynlig laserstråling ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå utsættelse for stråling.
Bemærk: Netafbryderen er sekundært indkoblet og ofbryder ikke strømmen fra nettet. Den indbyggede netdel er derfor tilsluttet til lysnettet så længe netstikket sidder i stikkontakten.

S

Klass 1 laseraparat
Varning! Om apparaten används på annat sätt än i denna bruksanvisning specifi cerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.
Observera! Stömbrytaren är sekundärt kopplad och bryter inte strömmen från nätet. Den inbyggda nätdelen är därför ansluten till elnätet så länge stickproppen sitter i vägguttaget.

SF

Luokan 1 laserlaite
Varoitus! Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.
Oikeus muutoksiin varataan. Laite ei saa olla alttiina tippu-ja roiskevedelle. Huom. Toiminnanvalitsin on kytketty toisiopuolelle, eikä se kytke laitetta irti sähköverkosta. Sisäänrakennettu verkko-osa on kytkettynä sähköverkkoon aina silloin, kun pistoke on pistorasiassa.

**Producent zastrzega możliwość wprowadzania zmian technicznych.**

## ČESKA REPUBLIKA

**Výstraha! Tento přístroj pracuje s laserovým paprskem. Při nesprávné manipulaci s přístrojem (v rozporu s tímto návodem) může dojít k nebezpečnému ozáření. Proto přístroj za chodu neotevírejte ani nesnímejte jeho kryty. Jakoukoli opravu vždy svěřte specializovanému servisu.**

**Nebezpečí! Při sejmutí krytů a odjištění bezpečnostních spínačů hrozí nebezpečí neviditelného laserového záření!**

**Chraňte se před přímým zásahem laserového paprsku.**

**Pokud byste z jakéhokoli důvodu přístroj demontovali, vždy nejdříve vytáhněte síťovou zástrčku.**

**Přístroj chraňte před jakoukoli vlhkostí i před kapkami vody.**

### Specifikace Laseru:

- Typ Laseru:
  - BD Laser Dioda: InGaN/AlGaN
  - DVD Laser Dioda: InGaAlP
  - CD Laser Dioda: AlGaAs
- Vlnová délka:
  - BD: 405 +5nm/-5nm
  - DVD: 650 +13nm/-10nm
  - CD: 790 +15nm/-15nm
- Výstupní výkon:
  - BD: Max. výkon: 20mW
  - DVD: Max. výkon: 7mW
  - CD: Max. výkon: 7mW

# Contents




| | | |
|---|---|---|
| **1** | **Important** | 4 |
| | Safety and important notice | 4 |
| **2** | **Your product** | 5 |
| | Feature highlights | 5 |
| | Product overview | 6 |
| **3** | **Connect** | 8 |
| | Connect video/audio cables | 8 |
| | Route audio to other devices | 9 |
| | Connect USB device | 10 |
| | Connect network | 10 |
| | Connect power | 10 |
| **4** | **Get started** | 11 |
| | Prepare the remote control | 11 |
| | Find the correct viewing channel | 11 |
| | Use the Home menu | 11 |
| | Navigate the menu | 11 |
| | Select menu display language | 11 |
| | Setup network | 12 |
| | Use Philips EasyLink | 12 |
| **5** | **Play** | 12 |
| | Play a disc | 12 |
| | Play video | 13 |
| | Play music | 15 |
| | Play photo | 16 |
| | Play from USB device | 17 |
| **6** | **Adjust settings** | 17 |
| | Video setup | 17 |
| | Audio Setup | 18 |
| | Preference Setup | 19 |
| | EasyLink Setup | 20 |
| | Advanced Setup | 21 |
| **7** | **Additional Information** | 21 |
| | Update software | 21 |
| | Care | 22 |
| | Specifications | 22 |
| **8** | **Troubleshooting** | 23 |
| **9** | **Glossary** | 24 |
| | **Open Source Software** | 26 |

# 1 Important

## Safety and important notice

**Warning**

- Risk of overheating! Never install the product in a confined space. Always leave a space of at least 4 inches around the product for ventilation. Ensure curtains or other objects never cover the ventilation slots on the product.
- Never place the product, remote control or batteries near naked flames or other heat sources, including direct sunlight.
- Only use this product indoors. Keep this product away from water, moisture and liquid-filled objects.
- Never place this product on other electrical equipment.
- Keep away from this product during lightning storms.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Visible and invisible laser radiation when open. Avoid exposure to beam.

This product complies with the radio interference requirements of the European Community.
This product complies with the requirements of the following directives and guidelines: 2004/108/EC, 2006/95/EC.

## Disposal of your old product and batteries

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.
Please act according to your local rules and do not dispose of your old products with your normal household waste.
Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste.
Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

## Copyright notice

Be responsible
Respect copyrights

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorised by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

## Trademark notice

HDMI, and HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

'DVD Video' is a trademark of DVD Format/Logo Licensing Corporation.

'Blu-ray Disc' and 'Blu-ray Disc' logo are trademarks.

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535; 7,392,195; 7,272,567; 7,333,929; 7,212,872 & other U.S. and worldwide patents issued & pending. DTS is a registered trademark and the DTS logos, Symbol, DTS-HD and HTS-HD Master Audio | Essential are trademarks of DTS, Inc. © 1996-2008 DTS, Inc. All Rights Reserved.

DivX, DivX Ultra Certified, and associated logos are trademarks of DivX, Inc. and are used under license.
Official DivX® Ultra Certified product.

Plays all versions of DivX ® video (including DivX ® 6) with enhanced playback of DivX® media files and the DivX® Media Format.
Plays DivX® video with menus, subtitles and audio tracks.

Java and all other Java trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and/or other countries.

BONUSVIEW™
'BD LIVE' and 'BONUSVIEW' are trademarks of Blu-ray Disc Association.

'AVCHD' and 'AVCHD' logo are trademarks of Matsushita Electric Industrial Co., Ltd and Sony Corporation.

'x.v.Colour' is a trademark of Sony Corporation.

The USB-IF Logos are trademarks of Universal Serial Bus Implementers Forum, Inc.

CLASS 1
LASER PRODUCT

# 2 Your product

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

## Feature highlights

### Philips EasyLink

Your product supports Philips EasyLink, which uses the HDMI CEC (Consumer Electronics Control) protocol. EasyLink-compliant devices that are connected through HDMI connectors can be controlled by a single remote control.

Note

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.

### High-Definition entertainment

Watch high-definition content disc with HDTV (High Definition Television). Connect it through a high speed HDMI cable (1.3 or category 2). You can enjoy excellent picture quality up to 1080p resolution with the frame rate of 24 frames per second with progressive scan output.

### High fidelity 7.1 channel surround sound

This product supports the high-definition audio such as Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio.

### BONUSVIEW/PIP (Picture-in-Picture)

This is a new function of BD-Video that plays the primary video and secondary video simultaneously. Blu-ray players with Final Standard Profile or Profile 1.1 specs can play Bonus View features.

### BD-Live

Connect this product to the movie studios website via the LAN port to access a variety of up-to-date content (e.g. refreshed previews and exclusive special features). You can also enjoy next generation possibilities, such as ringtone/wallpaper downloads, peer-to-peer interactions, live events and gaming activities.

### Upscale DVD for enhanced picture quality

Watch the discs in the highest picture quality available for the HDTV. Video upscaling increases the resolution of standard definition disc to high definition up to 1080p over an HDMI connection. A highly detailed picture and increased sharpness delivers a more true-to-life picture.

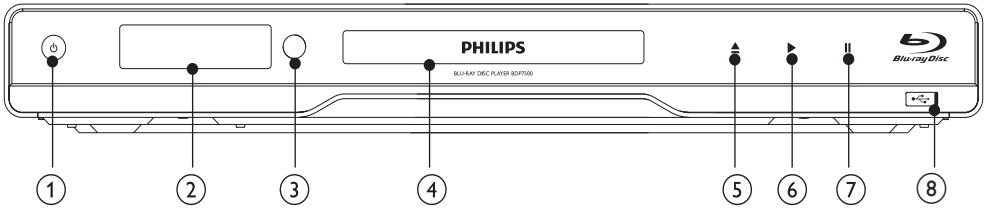
## Region codes

You can play discs with the following region codes.

| Region code | | Country |
|---|---|---|
| DVD | BD (Blu-ray Disc) | |
| ALL 2 | B | Europe, United Kingdom |

# Product overview

## Main unit




① ⏻
- Turn on this product or switch to standby mode.
- When EasyLink is enabled, press and hold for at least three seconds to turn all connected HDMI CEC compliant devices to standby.

② Display panel

③ IR sensor
- Detect signals from the remote control. Point the remote control at the IR sensor.

④ Disc compartment

⑤ ⏏
- Open or close the disc compartment.

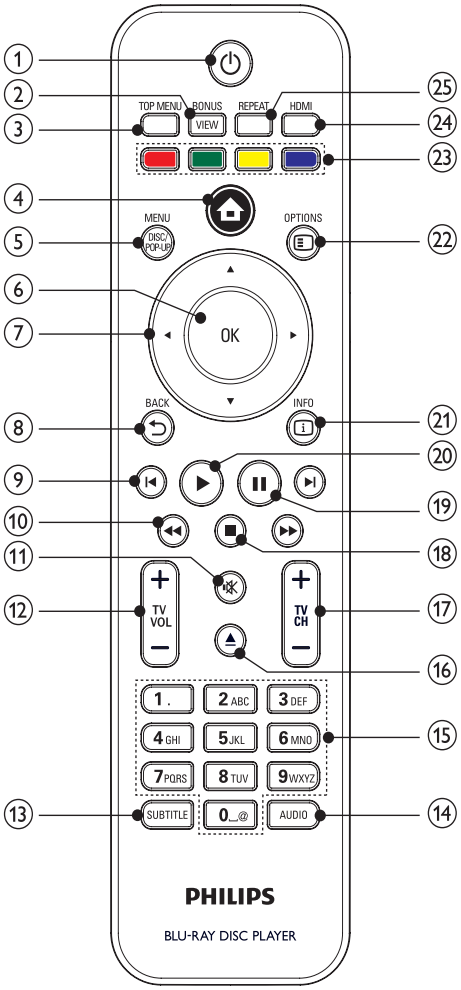
⑥ ▶
- Start or resume play.

⑦ ⏸
- Pause play.

⑧ USB jack with a sliding door
- Slide the door open to connect a USB flash drive.

| Front panel display | Description |
|---|---|
| LOADING | Loading a disc. |
| UNSUPP | The disc is not supported. |
| BD | Blu-ray disc is recognized. |
| HDMI ERR | The HDMI video resolution is not supported by TV. |
| FASTFWD | Fast forward mode. |
| FASTBWD | Fast reverse mode. |
| SLOWFWD | Slow forward mode. |
| SETTINGS | Setup menu is displayed. |
| HOME | Home menu is displayed. |
| CHAPTER | Current chapter is in chapter repeat mode. |
| DOLBY D | Dolby Digital audio is being played. |
| DOLBY HD | Dolby HD audio is being played. |
| UPGRADE | Software upgrade is in progress. |

## Remote control




① ⏻
- Turn on this product or switch to standby mode.
- When EasyLink is enabled, press and hold for at least three seconds to turn all connected HDMI CEC compliant devices to standby.

② BONUSVIEW
- Turn on or off the secondary video in a small screen window during play (applicable only to BD-video that supports the BONUSVIEW or Picture-In-Picture feature).

③ TOP MENU
- **BD**: Display the top menu.
- **DVD**: Display the title menu.

④ 🏠
- Access the home menu.

⑤ DISC MENU / POP-UP MENU
- **BD**: Access or exit the pop-up menu.
- **DVD**: Access or exit the disc menu.

⑥ OK
- Confirm an entry or selection.

⑦ ▲▼◀▶
- Navigate through the menus.

⑧ ⮌ BACK
- Return to a previous display menu.

⑨ ⏮ / ⏭
- Skip to the previous or next title, chapter, or track.

⑩ ◀◀ / ▶▶
- Search backward or forward.

⑪ 🔇
- Mute volume (applicable only to certain Philips brand TVs).

⑫ TV VOL +/-
- Adjust volume (applicable only to certain Philips brand TVs).

⑬ SUBTITLE
- Select a subtitle language on a disc.

⑭ AUDIO
- Select an audio language or channel on a disc.

⑮ Alphanumeric buttons
- Select an item to play.

⑯ ⏏
- Open or close the disc compartment.

⑰ TV CH +/-
- Select a TV channel (applicable only to certain Philips brand TVs).

⑱ ■
- Stop play.

⑲ ⏸
- Pause play.
- Move the paused picture one step forward.

⑳ ▶
- Start or resume play.

㉑ INFO
- Display the current status or the disc information.

㉒ OPTIONS
- Access options for the current activity or selection.

㉓ Color buttons
- **BD**: Select tasks or options.

㉔ HDMI
- Select the video resolution of HDMI output.

㉕ REPEAT
- Select repeat play or random play.

# 3 Connect

Make the following connections to use this product.

**Basic connections:**
- Video
- Audio
- Power

**Optional connections:**
- Route audio to other devices
  - Multi-channel receiver
  - Digital amplifier/receiver
  - Analog stereo system
- USB device
- LAN (network)

**Note**

- Refer to the type plate at the back or bottom of the product for identification and supply ratings.
- Before you make or change any connections, ensure that all devices are disconnected from the power outlet.
- Different types of connectors can be used to connect this product, depending on availability and your needs. A comprehensive interactive guide to help you connect your product is available at www.connectivityguide.philips.com.

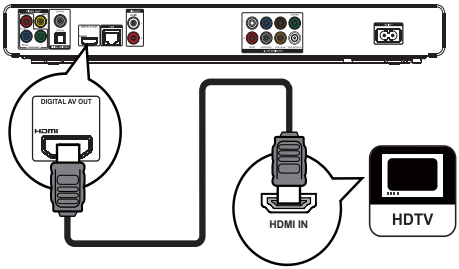
## Connect video/audio cables

Connect this product to TV to view disc play. Select the best video connection that the TV can support.
- **Option 1**: Connect to the HDMI jack (for a HDMI, DVI or HDCP-compliant TV).
- **Option 2**: Connect to the component video jacks (for a standard TV or Progressive Scan TV).
- **Option 3**: Connect to the composite video jack (for a standard TV).

**Note**

- You must connect this product directly to a TV.

### Option 1: Connect to the HDMI jack

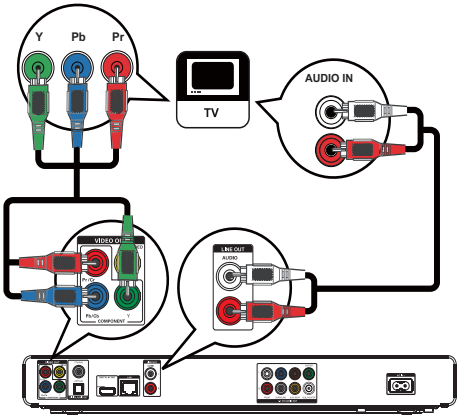



1 Connect the supplied HDMI cable to
- the **HDMI** jack on this product.
- the HDMI input jack on the TV.

**Tip**

- If the TV has a DVI connector only, connect via an HDMI/DVI adaptor. Connect an audio cable for sound output.
- You can optimize the video output. Press HDMI repeatedly to select the best resolution the TV can support.
- Philips recommends HDMI category 2 cable, also known as High Speed HDMI cable, for optimal video and audio output.
- To play the digital video images of a BD-video or DVD-video via an HDMI connection, it is necessary that both this product and the display device (or an AV receiver/ amplifier) support a copyright protection system called HDCP (high-bandwidth digital content protection system).
- This type of connection provides best picture quality.

### Option 2: Connect to the component video jack



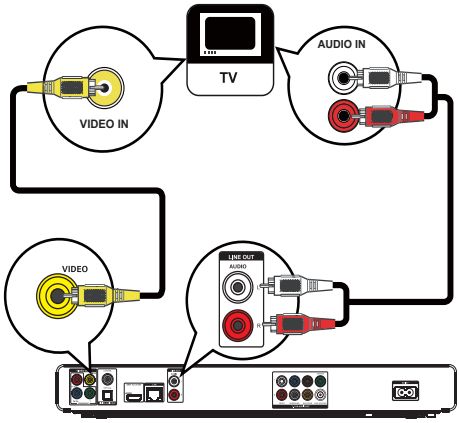
1 Connect the component video cables (not supplied) to:
- the **Y Pb/Cb Pr/Cr** jacks on this product.
- the COMPONENT VIDEO input jacks on the TV.

2 Connect the audio cables to:
- the **AUDIO L/R-LINE OUT** jacks on this product.
- the AUDIO input jacks on the TV.

**Tip**

- The component video input jack on the TV might be labeled as Y Pb Pr or YUV.
- This type of connection provides good picture quality.

## Option 3: Connect to the composite video jack




1 Connect a composite video cable to:
- the **VIDEO** jack on this product.
- the VIDEO input jack on the TV.

2 Connect the audio cables to:
- the **AUDIO L/R-LINE OUT** jacks on this product.
- the AUDIO input jacks on the TV.

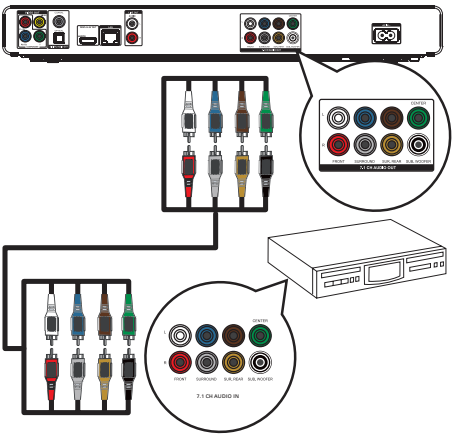
**Tip**

- The video input jack on the TV might be labeled as A/V IN, VIDEO IN, COMPOSITE or BASEBAND.
- This type of connection provides standard picture quality.

# Route audio to other devices

To enhance audio play, you can route the audio from this product to other devices.

## Connect to multi-channel receiver



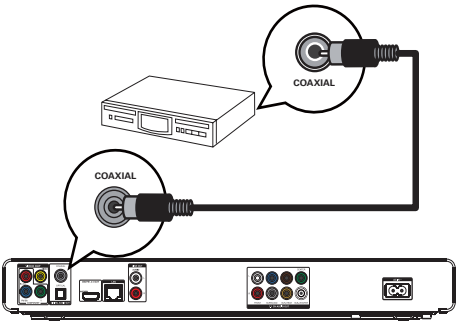
1 Connect the 7.1-channel audio cables (not supplied) to:
- the **7.1 CH AUDIO OUT** jacks on this product.
- the corresponding AUDIO input jacks on the device.

**Tip**

- You can optimize the speaker output (see "Adjust settings" > [**[Audio Setup]** > **[Speaker Setup]**]).

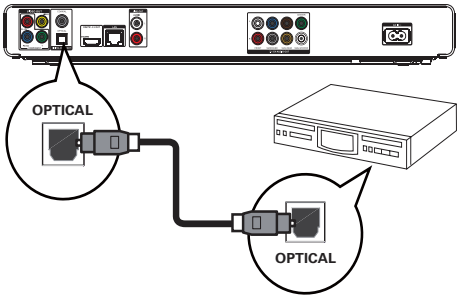
## Connect to digital amplifier/receiver

### Connect to coaxial jack



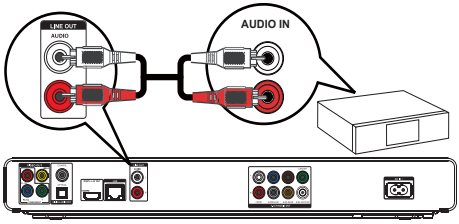
1 Connect a coaxial cable (not supplied) to:
- the **COAXIAL** jack on this product.
- the COAXIAL/DIGITAL input jack on the device.

### Connect to optical jack



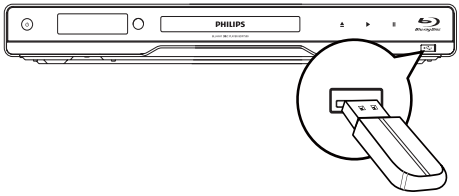

1 Connect an optical cable (not supplied) to:
- the **OPTICAL** jack on this product.
- the OPTICAL/DIGITAL input jack on the device.

## Connect analogue stereo system




1 Connect the audio cables to:
- the **AUDIO L/R-LINE OUT** jacks on this product.
- the AUDIO input jacks on the device.

## Connect USB device



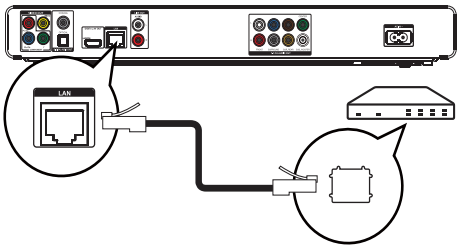

1 Connect the USB flash drive to the •<- (**USB**) jack on this product.

**Note**

- This product can only play/view MP3, WMA/WMV9, DivX (Ultra) or JPEG files that are stored on such devices.
- Press ⌂, select [USB] in the menu to access the content and play the files.
- Connect a USB device only to the **USB** jack on this product.
- Philips does not guarantee 100% compatibility with all USB flash drives.

## Connect network

Connect this product to the network to enjoy software updates and BD-Live bonus content.




1 Connect the network cable (not supplied) to:
- the **LAN** jack on this product.
- the LAN jack on the broadband modem or router.

**Note**

- Internet access to Philips website for software update may not be allowed, depending on the router you use or the Internet Service Provider's policy. Contact your Internet Service Provider for more information.

## Connect power

**Caution**

- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back of the unit.
- Before connecting the AC power cord, ensure you have completed all other connections.

**Note**

- The type plate is located on the back of the product.
- You may experience tingling feel upon touching the metal case of this product. This tingling feel is common for products with aluminum finishing. It does not cause any harm as consumer safety is not compromised.

1 Connect the AC power cable to:
- this product.
- the wall socket.

↳ This product is ready to be set up for use.

# 4 Get started

**Caution**

- Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

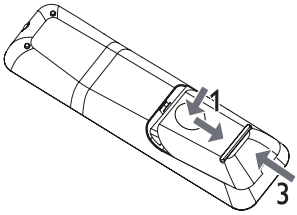
Always follow the instructions in this chapter in sequence.

## Prepare the remote control

**Caution**

- Risk of explosion! Keep batteries away from heat, sunshine or fire. Never discard batteries in fire.

1 Press and push the battery compartment to slide it open (see "1" in the illustration).
2 Insert two AAA batteries with correct polarity (+/-) as indicated.
3 Push and slide back the battery compartment (see "3" in the illustration).



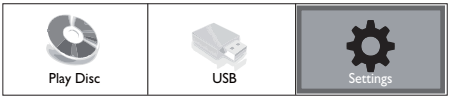

**Note**

- If you are not going to use the remote control for a long time, remove the batteries.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed of properly.

## Find the correct viewing channel

1 Press ⏻ to turn on this product.
2 Turn on the TV and switch to the correct video-in channel (refer to the TV user manual on how to select the correct channel).

## Use the Home menu




1 Press ⌂.
- To start disc play, select **[Play Disc]**.
- To view the USB contents, select **[USB]**.
- To access the setup menus, select **[Settings]**.

## Navigate the menu

1 When a menu is displayed, press the buttons on the remote control to navigate.

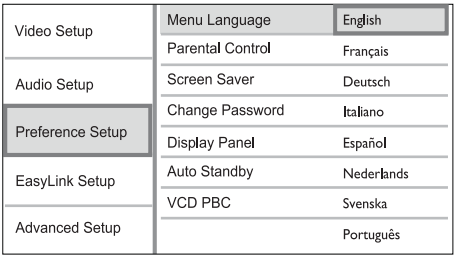
| Button | Action |
|---|---|
| ▲▼ | Move up or down. |
| ◀▶ | Move left or right. |
| OK | Confirm a selection. |
| | Enter numbers. |

## Select menu display language

**Note**

- If this product is connected to an HDMI CEC compliant TV, skip this setting. It switches automatically to the same OSD menu language as per your TV setting (if the language set on TV is supported by this product).

1 In the Home menu, select **[Settings]** and press **OK**.
2 Select **[Preference Setup]**, then press▶.
3 Select **[Menu Language]**, then press ▶.



- The language options may vary from different regions.

4 Press ▲▼ to select a language, then press **OK**.

## Setup network

To enjoy software updates of this product and BD-Live bonus contents for certain Blu-ray discs, set up the network connection.

**Note**

- Ensure that the network cable is properly connected and the router is switched on.

1 Connect this product to the broadband modem or router.
2 In the Home menu, select **[Settings]** and press **OK**.
3 Select **[Advanced Setup]**, then press ▶.
4 Select **[Network]**, then press **OK**.
5 Select **[Next]** in the menu, then press **OK**.
   ↳ This product starts to detect if there is a connection to the network.
   ↳ If the connection test fails, select **[Retry]** and press **OK** to re-connect again to the network.
6 Once connected, an IP address is obtained automatically.
   - If no IP address is obtained, select **[Retry]** and press **OK** to try to obtain the IP address again.
7 Select **[Finish]** in the menu, then press **OK** to exit.

**Note**

- This product does not support automatic detection of an Ethernet crossover cable.
- Loading BD-Live content from the internet may take some time, depending on the file size and the speed of the internet connection.

## Use Philips EasyLink

This product supports Philips EasyLink which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use one single remote control to control EasyLink-compliant devices that are connected through HDMI connectors.

**Note**

- To enable the EasyLink feature, you must turn on the HDMI CEC operations on the TV and on other devices connected to TV. Refer to the TVs/devices manual for details.

### One-touch play

1 Press the **STANDBY** ⏻ button to turn on this product.
   ↳ The TV (if the TV supports one-touch play) automatically turns on and switches to the correct video-in channel.
   ↳ If a disc is loaded in this product, disc play automatically starts.

### One-touch standby

1 Press and hold the **STANDBY** ⏻ button for more than 3 seconds.
   ↳ All the connected devices (if the device supports one-touch standby) automatically switch to standby.

**Note**

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.

# 5 Play

## Play a disc

**Caution**

- Do not place any objects other than discs into the disc compartment.
- Do not touch the disc optical lens inside the disc compartment.

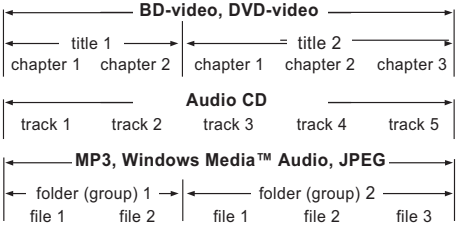
1 Press ⏏ to open the disc compartment.
2 Insert a disc with its label facing up.
3 Press ⏏ to close the disc compartment and start disc play.
   - To view disc play, turn on the TV to the correct viewing channel for this product.
   - To stop disc play, press ■.

Note

- Check the types of discs supported (see "Specifications" > "Play media").
- If the password entry menu is displayed, enter the password before you can play the locked or restricted disc (see "Adjust settings" > "Preference Setup" > **[Parental Control]**).
- If you pause or stop a disc, the screen saver appears after 10 minutes of inactivity. To deactivate the screen saver, press any button.
- After you pause or stop a disc and no button is pressed within 30 minutes, this product automatically switches to standby.

## Disc content structure

The structure of a disc content is generally divided as shown below.




- [title/chapter] (title/chapter) refers to the contents on a BD/DVD.
- [track] (track) refers to the contents on an audio CD.
- [folder/file] (folder/file) refers to the contents on a disc in MP3/WMA/JPEG format.

# Play video

## Control video play

1 Play a title.
2 Use the remote control to control the play.

| Button | Action |
|---|---|
| ⏸ | Pause play. |
| ▶ | Start or resume play. |
| ■ | Stop play. |
| ⏮/⏭ | Skip to a previous/next title or chapter. |
| ◀◀/▶▶ | Search fast-backward or fast-forward. Press repeatedly to change the search speed.<br>• In pause mode, slow a play backward or forward. |

Note

- For BD disc with Java application, the resume function is not available.

## Change video play

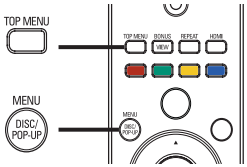
1 Play a title.
2 Use the remote control to change the play.

| Button | Action |
|---|---|
| AUDIO | Select an audio language or channel on a disc. |
| SUBTITLE | Select the subtitle language on a disc. |
| REPEAT | Select or turn off repeat or shuffle mode.<br>• Repeat options may vary from the disc type.<br>• For VCDs, repeat play is only possible when the PBC mode is turned off. |
| INFO | Display the current status or disc information. |
| OPTIONS | Access options relating to the current activity or selection. |
| BONUSVIEW | Turn on or off the secondary video in a small screen window during play (applicable only to BD-video that supports the BONUSVIEW or Picture-In-Picture feature). |

Note

- Some operations may not work with some discs. See the information accompanying the disc for details.

## Display menu




BD-video disc

- **TOP MENU** stop the video play and shows the disc menu. This feature is disc-dependent.
- **POP-UP MENU** access to the BD-video disc menu without interrupting disc play.

DVD-video disc

- **TOP MENU** display the root menu of a disc.
- **DISC MENU** display disc information and guide you through the available functions in the disc.

VCD/SVCD/DivX disc:

- **DISC MENU** display the content of the disc.

Tip

- If the PBC setting is off, the VCD/SVCD skips the menu and starts play from the first title. To display the menu before play, turn on the PBC setting (see "Adjust settings" > **[Preference Setup]** > **[VCD PBC]**).

## Select title/chapter

1. During play, press OPTIONS.
   ↳ The play options menu is displayed.
2. Select **[Title]** or **[Chapter]** in the menu, then press **OK**.
3. Select the title or chapter number, then press **OK**.

## Skip play to a specific time

1. During play, press OPTIONS.
   ↳ The play options menu is displayed.
2. Select **[Time Search]** in the menu, then press **OK**.
3. Press the **Navigation buttons** (▲▼) to change the time to skip to, then press **OK**.

## Zoom in/out

1. During play, press OPTIONS.
   ↳ The play options menu is displayed.
2. Select **[Zoom]** in the menu, then press **OK**.
3. Press the **Navigation buttons** (◀▶)to select a zoom factor, then press **OK**.
4. Press the **Navigation buttons** to pan through the zoomed picture.
   - To cancel zoom mode, press BACK or **OK** to display the zoom factor bar, then press the **Navigation buttons** (◀▶) until the zoom factor [x1] is selected.

## Repeat play for a specific section

1. During play, press OPTIONS.
   ↳ The play options menu is displayed.
2. Select **[Repeat A-B]** in the menu, then press **OK** to set the starting point.
3. Forward the video play, then press **OK** to set the ending point.
   ↳ Repeat play starts.
   - To cancel repeat play mode, press OPTIONS, select **[Repeat A-B]** and press **OK**.

Note

- The marked section for repeat play is only possible within a track/title.

## View video play from different camera angles

1. During play, press OPTIONS.
   ↳ The play options menu is displayed.
2. Select **[Angle List]** in the menu then press ▶.
3. Select an angle option, then press **OK**.
   ↳ Play changes to the selected angle.

Note

- Applicable only to discs that contain multi-angle scenes.

## Shift subtitle display

This feature is only available if you have set the **[TV Display]** to **[Cinema 21:9]** (see 'Adjust settings' > 'Video Setup').

1. During play, press OPTIONS.
   ↳ The play options menu is displayed.
2. Select **[Subtitle Language]** > **[Shift Subtitle]** in the menu, then press ▶.
3. Press the **Navigation buttons (▲ ▼)** to shift the subtitle, then press **OK**.

Tip

- You can press **SUBTITLE** on the remote control to access Shift Subtitle feature.
- Subtitle Shift is not supported for DivX video with external subtitles.
- Subtitle Shift setting will be not retained after disc is removed.

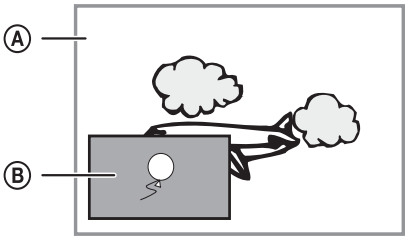
## Play BD-video

Blu-ray video disc has a larger capacity and supports features such as high-definition videos, multi-channel surround sounds, interactive menus and so on.

1 Insert a BD-video disc.
2 Press ⌂, select **[Play Disc]** then press **OK**.
3 Play automatically starts, or select a play option in the menu and press **OK**.
   - During play, you can press **TOP MENU** to display additional information, features or content stored in the disc.
   - During play, you can press **POP-UP MENU** to display the disc menu without interrupting disc play.

### Enjoy BONUSVIEW

(Applicable only to a disc compatible with the BONUSVIEW or Picture-in-Picture feature)
You can instantly view additional content (such as commentaries) in a small screen window.




Ⓐ Primary video
Ⓑ Secondary video

1 Press **BONUSVIEW** to turn on the secondary video window.
2 Press **OPTIONS**.
   ↳ The play options menu is displayed.
3 Select **[2nd Audio Language]** or **[2nd Subtitle Language]** in the menu, then press ▶.
4 Select the language to play, then press **OK**.

### Enjoy BD-LIVE

(Applicable only to a disc that enables BD-Live bonus content.)
Additional contents (such as movie trailers, subtitles, etc.,) can be downloaded to this product's local storage or a connected USB storage device. Special video data may be played while they are being downloaded.
When the disc supporting BD-Live is played, this product or disc's ID can be sent to the content provider via the internet. Services and functions to be provided vary from discs.

## Play DivX® video

DivX video is a digital media format that retains high quality despite a high rate of compression. You can enjoy DivX video on this DivX certified product.

1 Insert a disc or USB that contains the DivX videos.
2 Press ⌂, select **[Play Disc]** or **[USB]**, then press **OK**.
   ↳ A contents menu is displayed.
3 Select a video folder, then press **OK**.
4 Select a title to play, then press **OK**.
5 Use the remote control to control the play.

| Button | Action |
|---|---|
| AUDIO | Select an audio language or channel. |
| SUBTITLE | Select a subtitle language. |
| ■ | Stop play. |

**Note**

- You can only play DivX videos that were rented or purchased with the DivX registration code of this product (see "Adjust Settings" > **[Advanced Setup]** > **[DivX® VOD Code]**).
- You can play DivX video files of up to 4GB.
- This product can display up to 45 characters in the subtitle.

# Play music

## Control a track

1 Play a track.
2 Use the remote control to control the play.

| Button | Action |
|---|---|
| ❚❚ | Pause play. |
| ▶ | Start or resume play. |
| ■ | Stop play. |
| ⏮/⏭ | Skip to a previous/next track. |
| 1 . 2 ABC 3 DEF 4 GHI 5 JKL 6 MNO 7 PQRS 8 TUV 9 WXYZ 0 _ @ | Select an item to play. |
| ◀◀ /▶▶ | Search fast-backward or fast-forward. Press repeatedly to change the search speed. |
| REPEAT | Select or turn off repeat or shuffle mode. |

## Play MP3/WMA music

MP3/WMA is a type of highly compressed audio file (files with .mp3, .wma extensions).

1. Insert a disc or USB that contains the MP3/WMA music.
2. Press ⌂, select **[Play Disc]** or **[USB]**, then press **OK**.
   ↳ A contents menu is displayed.
3. Select a music folder, then press **OK**.
4. Select a file to play, then press **OK**.
   - To return to the main menu, press ⮌ **BACK**.

**Note**

- For disc recorded in multiple sessions, only the first session is played.
- For a WMA file that is protected by Digital Rights Management (DRM), it cannot be played on this product.
- This product does not support MP3PRO audio format.
- For any special character that is present in the MP3 track name (ID3) or album name, it might not be displayed correctly on the screen because these characters are not supported.
- Folders/files that exceed the supported limit of this product cannot be displayed or played.

# Play photo

## Play photo as slideshow

You can play JPEG photos (files with .jpeg or .jpg extensions).

1. Insert a disc or USB that contains the JPEG photos.
2. Press ⌂, select **[Play Disc]** or **[USB]**, then press **OK**.
   ↳ A contents menu is displayed.
3. Select a photo folder, then press **OK** to enter.
   - To select a photo, press the **Navigation buttons**.
   - To enlarge the selected photo and start slideshow, press **OK**.
4. Press **OK** to start slideshow play.

**Note**

- It may require longer time to display the disc content on the TV due to the large number of songs/photos compiled onto one disc.
- This product can only display digital camera pictures according to the JPEG-EXIF format, typically used by almost all digital cameras. It cannot display Motion JPEG, or pictures in formats other than JPEG, or sound clips associated with pictures.
- Folders/files that exceed the supported limit of this product cannot be displayed or played.

## Control photo play

1. Play a photo slideshow.
2. Use the remote control to control the play.

| Button | Action |
|---|---|
| ◀/▶ | Rotate a photo anti-clockwise/clockwise. |
| ▲/▼ | Flip a photo horizontally/vertically. |
| ■ | Stop play. |

**Note**

- Some operations may not work with some discs or files.

## Set slideshow interval and animation

1. During play, press ☰ **OPTIONS**.
   ↳ The play options menu is displayed.
2. Select **[Duration per slide]** in the menu, then press **OK**.
3. Select a duration, then press **OK**.
4. Select **[Slide Animation]** in the menu, then press **OK**.
5. Select a type of animation effect, then press **OK**.

## Play musical slideshow

Create a musical slideshow to play simultaneously MP3/WMA music files and JPEG photo files.

**Note**

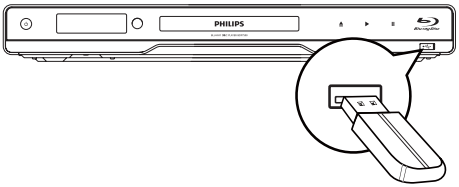
- To create a musical slideshow, you must store the MP3/WMA and JPEG files on the same disc or USB flash drive.

1. Play MP3/WMA music.
2. Press ⮌ **BACK** to return to the main menu.
3. Navigate to enter a photo folder, then press **OK** to start slideshow play.
   ↳ Slideshow begins and continues till the end of the photo folder.
   ↳ Audio continues to play until the end of the disc.
   - To stop the slideshow play, press ■.
   - To stop the music play, press ■ again.

## Play from USB device

Play or view MP3, WMA/WMV, DivX (Ultra) or JPEG files on the following USB devices:

- flash drive
- memory card reader
- HDD (external power source needed)



1 Connect a USB flash drive to the ⇐(**USB**) jack.
2 Press ⌂, select **[USB]**, then press **OK**.
↳ A contents menu is displayed.
3 Select a file to play, then press **OK**.
↳ Play starts (see "Play music", "Play photo", "Play video" for details).
• To stop play, press ■ or remove the USB flash drive.

**Note**

- If the device does not fit into the USB jack, connect it through a USB extension cable.
- NTFS (New Technology File System) data format not supported.
- Philips does not guarantee 100% compatibility with all USB flash drives

# 6 Adjust settings

**Note**

- If the setup option is grayed out, it means the setting cannot be changed at the current state.

## Video setup

1 Press ⌂.
2 Select **[Settings]**, then press **OK**.
3 Select **[Video Setup]**, then press ▶.

| | | |
|---|---|---|
| Video Setup | Audio | English |
| | Subtitle | Off |
| Audio Setup | Disc Menu | English |
| | TV Display | 16:9 Widescreen |
| Preference Setup | HDMI Video | Auto |
| | HDMI Deep Color | Auto |
| EasyLink Setup | Component Video | 480i/576i |
| | Picture Settings | Standard |
| Advanced Setup | | |

4 Select an option, then press **OK**.
5 Select a setting, then press **OK**.
• To return to the previous menu, press ⮌ BACK.
• To exit the menu, press ⌂.

**[Audio]**
Select an audio language for disc play.

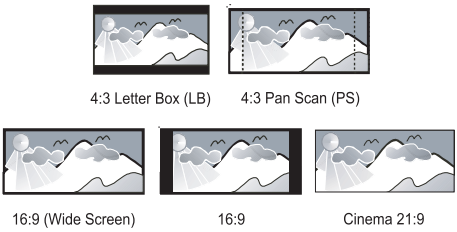
**[Subtitle]**
Select a subtitle language for disc play.

**[Disc Menu]**
Select a language for disc menu.

**Note**

- If the language you have set is not available on the disc, the disc uses its own default language.
- For some discs, the subtitle/audio language can only be changed from the disc menu.

**[TV Display]**
Select a display format:




- **[4:3 Letterbox]** – For 4:3 screen TV: wide-screen display with black bars on the top and bottom of the screen.
- **[4:3 Panscan]** – For 4:3 screen TV: full-height display with the trimmed sides.
- **[16:9 Widescreen]** – For wide-screen TV: display ratio 16:9.
- **[16:9]** – For 16:9 screen TV: display picture at ratio 4:3 for a disc with 4:3 ratio, with black bars on the left and right side of the screen.

- **[Cinema 21:9]** – For wide-screen TV of display ratio 21:9, remove black bars at the bottom and top of the screen.

Note

- If **[4:3 Panscan]** you have selected is not supported by the disc, the screen displays in the **[4:3 Letterbox]** format.
- Help text display will be available in all modes, except **[Cinema 21:9]**.
- Subtitle Shift function is enabled only in **[Cinema 21:9]** mode.
- For optimum viewing with Philips Cinema 21:9 TV, refer to the TV's user manual.

[HDMI Video]
Select an HDMI video output resolution that is compatible with your TV display capability.
- **[Auto]** - Detect and select the best supported video resolution automatically.
- **[Native]** - Set to original video resolution.
- **[480i/576i], [480p/576p], [720p], [1080i], [1080p], [1080p/24Hz]** - Select a video resolution setting that is best supported by the TV. See the TV manual for details.

Note

- If the setting is not compatible with your TV, a blank screen appears. Wait for 10 seconds for auto recovery, or press repeatedly the **HDMI** button until the picture appears.

[HDMI Deep Color]
This feature is available only when the display device is connected by an HDMI cable, and when it supports deep color feature.
- **[Auto]** - Enjoy vivid images in over a billion colors on Deep Color enabled TV.
- **[Off]** - Output standard 8 bit color.

[Component Video]
Select a component video output resolution that is compatible with the TV display capability.
- **[480i/576i], [480p/576p], [720p], [1080i] -** Select a video resolution setting that is best supported by the TV. See the TV manual for details.

Note

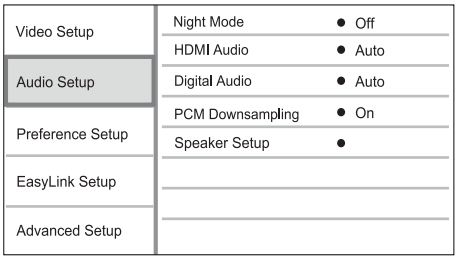
- If the setting is not compatible with the TV, a blank screen appears. Wait for 10 seconds for auto recovery.
- Copy protected DVDs can only output 480p/576p or 480i/576i resolution.

[Picture Settings]
Select a predefined set of picture color settings.
- **[Standard]** – Original color setting.
- **[Vivid]** – Vibrant color setting.
- **[Cool]** - Soft color setting.
- **[Action]** – Sharp color setting. It enhances the details in the dark area. Ideal for action movies.
- **[Animation]** – Contrast color setting. Ideal for animated pictures.

[Black Level]
Improve black color contrast.
- **[Normal]** - Standard black level.
- **[Enhanced]** - Enhance black level.

## Audio Setup

1 Press ⌂.
2 Select **[Settings]**, then press **OK**.
3 Select **[Audio Setup]**, then press ▶.




4 Select an option, then press **OK**.
5 Select a setting, then press **OK**.
- To return to the previous menu, press ⮌ BACK.
- To exit the menu, press ⌂.

[Night Mode]
Make a loud sound level softer and a soft sound level louder to play the disc at a low volume, without disturbing other persons.
- **[Auto]** - Applicable to tracks with Dolby True HD audio.
- **[On]** – For quiet viewing at night.
- **[Off]** – For surround sound with a full dynamic range.

Note

- Applicable only to Dolby encoded DVD-video or BD-video.

[HDMI Audio]
Select an HDMI audio output when you connect this product and the TV/audio device with an HDMI cable.
- **[Bitstream]** – Select the best original HD audio experience (only via an HD audio compatible receiver).
- **[Auto]** – Detect and select the best supported audio format automatically.

[Digital Audio]
Select an audio format for the sound output from the DIGITAL OUT jack (coaxial/optical).
- **[Auto]** - Detect and select the best supported audio format automatically.
- **[PCM]** - The audio device does not support multi-channel format. Audio is downmixed to two-channel sound.
- **[Bitstream]** - Select the original audio to experience Dolby or DTS audio (BD-video special sound effect is disabled).

Note

- Ensure that the audio format is supported by the disc and the connected audio device (amplifier/receiver).
- When **[Bitstream]** is selected, interactive audio like button sound is muted.

[PCM Downsampling]
Set the sampling rate for PCM audio output from the DIGITAL OUT jack (coaxial/optical).
- **[On]** – PCM audio is down-sampled at 48kHz.
- **[Off]** – For BD or DVD recorded in LPCM without copyright protection, two-channel audio signals up to 96 kHz are output as LPCM signals with no conversion.

[Speaker Setup]
Optimize the surround output for the connected speaker system.
- **[Speaker Setup ]** – Activate the test tone for the speakers and the subwoofer.
- **[Speaker Distance]** – Set the delay time for the speakers and the subwoofer if they are placed closer to the listening position, so that the sound output from all speakers reach the listening position at the same time.
- **[Speaker Volume]** – Set the volume level of the speaker and the subwoofer to get the ideal audio balance.
- **[Speaker Size]**
  - Set the speaker size for the speakers and the subwoofer.
  - Select **[Large]** size for speakers that can produce low frequency signal below 120 Hz.
  - Select **[No Speaker]** if there is no speaker connected.
  - If the front speakers are set to **[Small]**, subwoofer setting is **[On]** and cannot be changed.
  - If the subwoofer is set to **[Off]**, the front speakers settings are **[Large]** and cannot be changed.

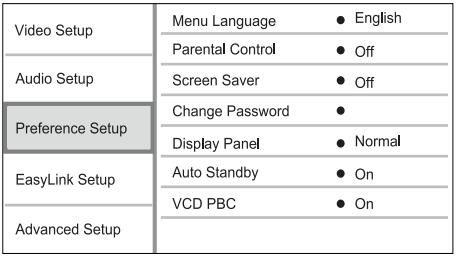
Tip

- The test tone is emitted from the speaker while adjusting the volume level.

Allow 1ms setting for every 30cm distance between the speaker and the listening position.

## Preference Setup

1 Press ⌂.
2 Select **[Settings]**, then press **OK**.
3 Select **[Preference Setup]**, then press ▶.




4 Select an option, then press **OK**.
5 Select a setting, then press **OK**.
   - To return to the previous menu, press ⮌ BACK.
   - To exit the menu, press ⌂.

[Menu Language]
Select an on-screen menu language.

Note

- If this product is connected to an HDMI CEC compliant TV using an HDMI cable, it switches automatically to the same menu display language as per your TV setting (if the language set on TV is supported by this product).

[Parental Control]
Restrict access to discs that are unsuitable for children. These types of discs must be recorded with ratings.
To access, enter your last set password or '**0000**'.

Note

- Rated discs above the level you set in **[Parental Control]** require a password to be played.
- The ratings are country-dependent. To allow all discs to play, select '**8**' for DVD-video and BD-Video.
- Some discs have ratings printed on them but are not recorded with ratings. This function has no effect on such discs.

**[Screen Saver]**
Turn on or off the screen saver mode. It helps to protect the TV screen from being damaged due to over exposure to static image for being too long.

- **[On]** - Set the screen saver active after 10 minutes of inactivity (for example, in the pause or stop mode)
- **[Off]** - Disable screen saver mode.

**[Change Password]**
Set or change the password.

1) Press the Numeric buttons to enter the password or your last set password. If you forget the password, enter '**0000**', then press **OK**.
2) Enter the new password.
3) Enter the same password again.
4) Move to **[Confirm]** in the menu and press **OK**.

**[Display Panel]**
Select a brightness level of the front panel display.

- **[Normal]** - Normal brightness.
- **[Dim]** - To dim display.

**[Auto Standby]**
Turn on or off auto standby mode. It is an energy saving feature.

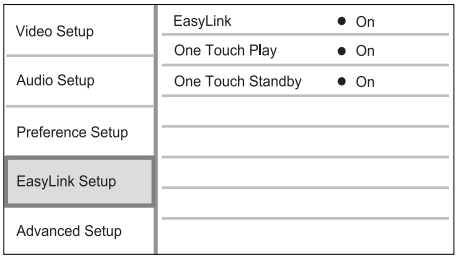
- **[On]** - Switch to standby after 30 minutes of inactivity (for example, in pause or stop mode).
- **[Off]** - Disable auto standby mode.

**[VCD PBC]**
Turn on or off the content menu of VCDs/SVCDs with PBC (playback control) feature.

- **[On]** - Display the index menu when you load a disc for play.
- **[Off]** - Skip the menu and start play from the first title.

## EasyLink Setup

1 Press ⌂.
2 Select **[Settings]**, then press **OK**.
3 Select **[EasyLink Setup]**, then press ▶.




4 Select an option, then press **OK**.
5 Select a setting, then press **OK**.
   - To return to the previous menu, press ⮌ BACK.
   - To exit the menu, press ⌂.

**[EasyLink]**
This product supports Philips Easylink which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use one single remote control to control all EasyLink-compliant devices that are connected through HDMI connectors.

- **[On]** - Turn on EasyLink features.
- **[Off]** - Disable EasyLink features.

**[One Touch Play]**
When you press the **STANDBY** ⏻ button to turn on this product, the TV (if the TV supports one-touch play) automatically turns on and switches to the video-in channel. Disc play starts if there is a disc in this product.

- **[On]** - Turn on one-touch play feature.
- **[Off]** - Disable one-touch play feature.

**[One Touch Standby]**
When you press and hold the **STANDBY** ⏻ button, all the connected HDMI CEC devices (if the device supports one-touch standby) switch to standby mode simultaneously.

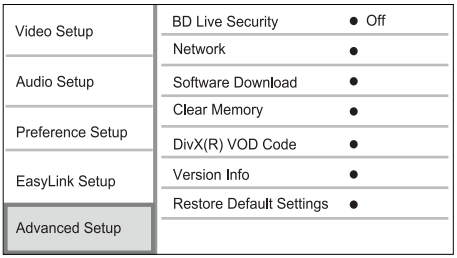
- **[On]** - Turn on one-touch standby feature.
- **[Off]** - Disable one-touch standby feature.

Note

- You must turn on the HDMI CEC operations on the TV/devices before you can enjoy the EasyLink controls. See the TV/devices manual for details.
- Philips does not guarantee 100% interoperability with all HDMI CEC compliant devices.

## Advanced Setup

1 Press ⌂.
2 Select **[Settings]**, then press **OK**.
3 Select **[Advanced Setup]**, then press ▶.




4 Select an option, then press **OK**.
5 Select a setting, then press **OK**.
- To return to the previous menu, press ⮌ **BACK**.
- To exit the menu, press ⌂.

**[BD-Live Security]**
You can restrict internet access for BD-Live bonus contents which are available to certain Blu-ray discs.
- **[On] -** Internet access is prohibited for all BD-Live contents.
- **[Off]**- Internet access is permitted for all BD-Live contents.

**[Network]**
Set up a connection to internet to download updated software and access BD-Live bonus contents. It guides you through a step-by-step network installation procedure.

**Note**
- For detailed network setup, see "Get started" > "Set up network".

**[Software Download]**
Update the software of this product (if a latest version is available on Philips website) to enhance the playability of this product.
- **[USB]** - Download software from the USB flash drive which is connected to this product.
- **[Network]** - Download software from network.

**Note**
- For detailed software updating, see "Additional information" > "Update software".

**[Clear Memory]**

**Note**
- When you clear the local storage, previous download of BD-Live bonus contents is no longer available.

If the internal memory of this product is not enough to download BD-Live bonus contents for a BD disc, reformat the local storage to clear all the contents.

**Note**
- You can use a USB flash drive as an external storage to store the downloaded files.
- Local storage is a folder (BUDA) located on the connected USB flash drive.

**[DivX® VOD Code]**
Display the DivX® registration code.

**Tip**
- Use this product's DivX registration code when you rent or purchase video from www.divx.com/vod. The DivX videos rented or purchased through the DivX® VOD (Video On Demand) service can be played only on the device to which it is registered.

**[Version Info.]**
Display the software version and the MAC address of this product.

**Tip**
- This information is needed for you to check if a latest software version is available at the Philips website so that you can download and install on this product.

**[Restore Default Settings]**
Reset all the settings of this product to the factory settings, except for **[Parental Control]** setting.

# 7 Additional Information

## Update software

For software updates to enchance performance, check the current software version of this product to compare with the latest software (if available) at the Philips website.
1 Press ⌂.
2 Select **[Settings]**, then press **OK**.
3 Select **[Advanced Setup]** > **[Version Info.]**, then press **OK**.

## Update software via network

1 Set up the network connection (see "Get started' > "Set up network").

2 In the Home menu, select **[Settings]** > **[Advanced Setup]** > **[Software Download]** > **[Network]**.
   ↳ You are prompted to start upgrading processs if upgrade media is detected.

3 Follow the instructions on the TV screen to confirm update operation.
   ↳ Once software update is complete, this product automatically turns off to standby.

4 Disconnect the power cord for a few seconds and connect again to turn on this product.

## Update software via USB

1 Go to www.philips.com/support to check if the latest software version is available for this product.

2 Download the software into a USB flash drive:
   ① **Un-zip the download, and make sure that the un-zipped folder is named "UPG".**
   ② **Put the "UPG" folder in the root directory.**

3 Insert the USB flash drive to the ⇢(**USB**) jack on this product.

4 In the Home menu, select **[Settings]** > **[Advanced Setup]** > **[Software Download]** > **[USB]**.

5 Follow the instructions on the TV screen to confirm update operation.
   ↳ Once software update is complete, this product automatically turns off to standby.

6 Disconnect the power cord for a few seconds and connect again to turn on this product.

**Note**

- Do not turn off the power or remove the USB flash drive when software updating is in progress to prevent possible damage of this product.

# Care

**Caution**

- Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.

### Clean discs

Wipe the disc with a micro fibre cleaning cloth from the centre to the edge in a straight line movement.

# Specifications

**Note**

- Specification and design are subject to change without notice

### Play media

- BD-Video, DVD-Video, DVD+R/+RW, DVD-R/-RW, DVD+R/-R DL, CD-R/CD-RW, Audio CD, Video CD/SVCD, Picture CD, MP3-CD, WMA-CD, DivX (Ultra)-CD, USB flash drive.

### Accessories supplied

- Remote control and batteries
- Audio/Video cables
- Power cable
- HDMI category 2 cable
- Quick start guide
- User manual
- CD-ROM built in multi-lingual user manual (only available for the continental Europe version)

### Video

- Signal system: PAL / NTSC
- Composite video output: 1 Vp-p (75 ohm)
- Component video output: 480/576i, 480/576p, 720p, 1080i
  - Y: 1 Vp-p (75 ohm)
  - Pb: 0.7 V-pp (75 ohm)
  - Pr: 0.7 V-pp (75 ohm)
- HDMI output 480p, 576p, 720p, 1080i, 1080p, 1080p24

### Audio

- 2 Channel analog output
  - Audio Front L + R : 2 Vrms (> 1 kohm)
- 7.1 Channel analog output
  - Audio Front L + R : 2 Vrms (> 1 kohm)
  - Audio Surrond L + R : 2 Vrms (> 1 kohm)
  - Audio Center : 2 Vrms (> 1 kohm)
  - Audio Subwoofer : 1.15 Vrms (> 1 kohm)
  - Audio Rear L + R: 2 Vrms (> 1 kohm)
- Digital output: 0.5 Vp-p (75 ohm)
  - Optical, Coaxial
- HDMI output
- Sampling frequency:
  - MP3: 32 kHz, 44.1 kHz, 48 kHz
  - WMA: 44.1 kHz, 48 kHz

- Constant bit rate:
  - MP3: 112 kbps - 320 kpbs
  - WMA: 48 kpbs - 192 kpbs

USB
- Compatibility: Hi-Speed USB (2.0)
- Class support: UMS (USB Mass Storage Class)

Main unit
- Power supply rating
  - Europe: 220~240V ~AC, ~50 Hz
  - Russia: 220~230V ~AC, ~50 Hz
  - Asia Pacific: 110~240V ~AC, 50~60 Hz
  - Latin America: 110~240V ~AC, 50~60 Hz
  - China: 110~240V ~AC, ~50 Hz
- Power consumption: 22W
- Power consumption in standby mode: 0.25W
- Dimensions (w x h x d): 435 x 55.7 x 245 (mm)
- Net Weight: 2.4 kg

Laser Specification
- Laser Type:
  - BD Laser Diode: InGaN/AlGaN
  - DVD Laser Diode: InGaAlP
  - CD Laser Diode: A IGaAs
- Wave length:
  - BD: 405 +5nm/-5nm
  - DVD: 650 +13nm/-10nm
  - CD: 790 +15nm/-15nm
- Output power:
  - BD: Max. ratings: 20mW
  - DVD: Max. ratings: 7mW
  - CD: Max. ratings: 7mW

# 8 Troubleshooting

**Warning**

- Risk of electric shock. Never remove the casing of the product.

To keep the warranty valid, never try to repair the product yourself.
If you encounter problems when using the product, check the following points before requesting service. If the problem remains unsolved, register your product and get support at www.philips.com/welcome.
If you contact Philips, you will be asked for the model and serial number of your product. The model number and serial number are on the back of your product. Write the numbers here:
Model No. _____
Serial No. _____

## Main unit

**No reaction to the remote control.**
- Connect this product to the power outlet.
- Point the remote control at the IR sensor located on the front panel of this product.
- Insert the batteries correctly.
- Insert new batteries in the remote control.

## Picture

**No picture.**
- See TV manual for correct video input channel selection. Change the TV channel until you see the Philips screen.

**No picture on HDMI connection.**
- If this product is connected to an unauthorized display device with an HDMI cable, the audio/video signal may not be output.
- Check if the HDMI cable is faulty. Replace a new HDMI cable.
- If this happens when you change the **[HDMI Video]** setting, press **HDMI** on the remote control repeatedly until picture appears.

**No high-definition video signal on the TV.**
- Ensure that the disc contains high-definition video.
- Ensure that the TV supports high-definition video.

## Sound

**No audio output from the TV.**
- Ensure that the audio cables are connected to the audio input of the TV.
- Assign the audio input of the TV to the corresponding video input. See the TV user manual for details.

**No audio output from the loudspeakers of the audio device (home theater /amplifier/receiver).**
- Ensure that the audio cables are connected to the audio input of the audio device.
- Turn on the audio device to its correct audio input source.

**No 7.1 - channel audio from the loudspeaker of the audio system.**
- Ensure that the disc contains 7.1 - channel audio.
- Ensure that the audio device supports 7.1 - channel audio.
- Ensure that the audio format is supported by the disc and the connected audio device (amplifier/receiver).

No sound on HDMI connection.

- You may not hear any sound from the HDMI output if the connected device is non-HDCP compliant or only DVI-compatible.

No secondary audio output for Picture-in-Picture feature.

- When **[Bitstream]** under the **[HDMI Audio]** or **[Digital Audio]** menu is selected, interactive sound like secondary sound for Picture-in-Picture feature is muted. Deselect **[Bitstream]**.

## Play

Disc cannot be played.

- Ensure that the disc is correctly loaded.
- Ensure that this product supports the disc. See 'Specifications'.
- Ensure that this product supports the region code of the DVD or BD.
- For DVD±RW or DVD±R, ensure that the disc is finalized.
- Clean the disc.

Data files (JPEG, MP3, WMA) cannot be played or read.

- Ensure that the data file was recorded in the UDF, ISO9660 or JOLIET format.
- Ensure that the selected group (folder) does not contain more than 9,999 files for DVD, and 999 files for CD.
- Ensure that the JPEG file extension is.jpg, .JPG, .jpeg or .JPEG.
- Ensure that the MP3/WMA file extension is .mp3 or .MP3, and .wma or .WMA for windows Media™ Audio.

DivX video files cannot be played.

- Ensure that the DivX video file is complete.
- Ensure that the file name extension is correct.

The contents of the USB flash drive cannot be read.

- The USB flash drive format is not compatible with this product.
- Drive is formatted with different file system which is not supported by this product (e.g. NTFS).
- Maximum size of memory supported is 160GB.

'No entry' sign appears on the TV.

- The operation is not possible.

EasyLink feature does not work.

- Ensure that this product is connected to the Philips brand EasyLink TV and the **[EasyLink]** in the menu is set to **[On]**.

Unable to access BD-Live feature.

- Check the network connection or ensure that the network has been set up.
- Clear local storage, internal memory (if any) or USB.
- Ensure that the BD disc supports BD Live feature.

# 9 Glossary

## A

Aspect ratio

Aspect ratio refers to the length to height ratio of TV screens. The ratio of a standard TV is 4:3, while the ratio of a high-definition or wide TV is 16:9. The letter box allows you to enjoy a picture with a wider perspective on a standard 4:3 screen.

AVCHD

AVCHD is a new format (standard) for high definition video cameras that can be used to record and play high-resolution HD images.

## B

Blu-ray Disc (BD)

Blu-ray Disc is a next generation optical video disc capable of storing five times more data than a conventional DVD. The large capacity makes it possible to benefit from the features such as high-definition videos, multichannel surround sound, interactive menus and so on.

BONUSVIEW

This is a BD-Video (Final Standard Profile or Profile 1.1) that supports interactive content encoded on the disc, such as picture-in-picture. This means you can play the primary video and secondary video simultaneously.

## D

Digital Audio

Digital Audio is a sound signal that has been converted into numerical values. Digital sound can be transmitted through multiple channels. Analogue sound can only be transmitted through two channels.

DivX Video-On-Demand

This DivX Certified ® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate

the DivX VOD section in your device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX video.

**Dolby Digital**
A surround sound system developed by Dolby Laboratories that contains up to six channels of digital audio (front left and right, surround left and right, center and subwoofer.)

**DTS**
Digital Theatre Systems. A surround sound system for providing 7.1 channels of discrete digital audio in consumer electronics products and software content. It is not developed by Dolby Digital.

## H

**HDCP**
High-bandwidth Digital Content Protection. This is a specification that provides a secure transmission of digital contents between different devices (to prevent unauthorized copyright.)

**HDMI**
High-Definition Multimedia Interface (HDMI) is a high-speed digital interface that can transmit uncompressed high definition video and digital multichannel audio. It delivers high quality picture and sound quality, completely free from noise. HDMI is fully backward-compatible with DVI. As required by the HDMI standard, connecting to HDMI or DVI products without HDCP (High-bandwidth Digital Content Protection) will result in no Video or Audio output.

## J

**JPEG**
A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio. Files are recognized by their file extension '.jpg' or '.jpeg.'

## L

**LAN (Local Area Network)**
A group of linked devices in a company, school or home. Indicates the boundaries of a particular network.

**Local storage**
This storage area is used as destination for storing additional contents from BD-Live enabled BD-Video.

## M

**MP3**
A file format with a sound data compression system. MP3 is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. With the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

## P

**PBC**
Playback Control. A system where you navigate through a Video CD/Super VCD with on-screen menus that are recorded onto the disc. You can enjoy interactive playback and search.

**PCM**
Pulse Code Modulation. A digital audio encoding system.

## R

**Region code**
A system that allows discs to be played only in the region designated. This unit only plays discs that have compatible region codes. You can find the region code of your unit on the product label. Some discs are compatible with more than one region (or ALL regions.)

## W

**WMA**
Windows Media™ Audio. Refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded with Windows Media player version 9 or Windows Media player for Windows XP. Files are recognized by their file extension '.wma.'

# Open Source Software

This product contains the following open source software packages, which are subject to their respective licenses.

1. **Zlib general purpose compression library**

   See http://www.zlib.net/, and in particular http://www.zlib.net/zlib_license.html.

   /* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.3, July 18th, 2005

   Copyright (C) 1995-2005 Jean-loup Gailly and Mark Adler

   This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

   Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

   1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
   2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
   3. This notice may not be removed or altered from any source distribution.

   Jean-loup Gailly jloup@gzip.org

   Mark Adler madler@alumni.caltech.edu

2. **Freetype, a Free, High-Quality, and Portable Font Engine**

   The software is based in part of the work of the FreeType Team.

   See http://freetype.sourceforge.net/, and in particular http://freetype.sourceforge.net/FTL.TXT.

   Portions of the relevant license conditions are copied below.

   The FreeType Project LICENSE 2006-Jan-27

   Copyright 1996-2002, 2006 by David Turner, Robert Wilhelm, and Werner Lemberg

   1. No Warranty

   THE FREETYPE PROJECT IS PROVIDED `AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO USE, OF THE FREETYPE PROJECT.

   2. Redistribution

   This license grants a worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform, compile, display, copy, create derivative works of, distribute and sublicense the FreeType Project (in both source and object code forms) and derivative works thereof for any purpose; and to authorize others to exercise some or all of the rights granted herein, subject to the following conditions:

   - Redistribution in binary form must provide a disclaimer that states that the software is based in part of the work of the FreeType Team, in the distribution documentation. We also encourage you to put an URL to the FreeType web page in your documentation, though this isn't mandatory.

3. IJG: JPEG software decoder

This software is based in part on the work of the Independent JPEG Group. See http://www.ijg.org/, and in particular http://picasa.google.com/about/ijg.txt. Portions of the relevant license conditions are copied below.

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-1998, Thomas G. Lane.

All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".

(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

4. OpenSSL.

Open SSL is an Open Source toolkit implementing the Secure Sockets Layer (SSL v2/v3) and Transport Layer Security (TLS v1) protocols as well as a full-strength general purpose cryptography library.

See http://www.openssl.org/, and in particular http://www.openssl.org/source/license.html.

The license conditions are copied below.

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit.

See below for the actual license texts. Actually both licenses are BSD-style

Open Source licenses. In case of any license issues related to OpenSSL, please contact openssl-core@openssl.org.

OpenSSL License

Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)".
4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.
5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION). HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Original SSLeay License

Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com). All rights reserved.

This package is an SSL implementation written by Eric Young (eay@cryptsoft.com).

The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are aheared to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed.

If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used.

This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)". The word 'cryptographic' can be left out if the rouines from the library being used are not cryptographic related :-).
4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include a n acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION). HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

# NOTICE

## SOFTWARE END USER LICENSE AGREEMENT

THIS SOFTWARE END USER LICENSE AGREEMENT ("THIS AGREEMENT") IS A LEGAL AND BINDING AGREEMENT BETWEEN YOU (EITHER AN INDIVIDUAL OR ENTITY) AND PHILIPS CONSUMER LIFESTYLE B.V. A DUTCH LIMITED LIABILITY COMPANY, WITH ITS PRINCIPAL OFFICE AT HIGH TECH CAMPUS 37, 5656 AE EINDHOVEN, THE NETHERLANDS AND ITS SUBSIDIARY COMPANIES (INDIVIDUALLY AND COLLECTIVELY "PHILIPS"). THIS AGREEMENT GIVES YOU THE RIGHT TO USE CERTAIN SOFTWARE (THE "SOFTWARE") INCLUDING USER DOCUMENTATION IN ELECTRONIC FORM WHICH MAY HAVE BEEN PROVIDED SEPARATELY OR TOGETHER WITH A PHILIPS PRODUCT (THE "DEVICE") OR A PC. BY DOWNLOADING, INSTALLING OR OTHERWISE USING THE SOFTWARE, YOU ACCEPT AND AGREE TO BE BOUND BY ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO THESE TERMS AND CONDITIONS, DO NOT DOWNLOAD, INSTALL OR OTHERWISE USE THE SOFTWARE. IF YOU ACQUIRED THE SOFTWARE IN TANGIBLE MEDIA E.G. CD WITHOUT THE OPPORTUNITY TO REVIEW THIS LICENSE AND DO NOT ACCEPT THESE TERMS, YOU MAY RECEIVE A FULL REFUND OF THE AMOUNT, IF ANY, THAT YOU PAID FOR THE SOFTWARE IF YOU RETURN THE SOFTWARE UNUSED WITH PROOF OF PAYMENT WITHIN 30 DAYS FROM THE DATE OF PURCHASE.

1. **Grant of License.** This Agreement grants you a non-exclusive, nontransferable, non-sub licensable license to install and use, on the Device or a PC, as applicable, one (1) copy of the specified version of the Software in object code format as set out in the user documentation solely for your personal use. The Software is "in use" when it is loaded into the temporary or permanent memory (i.e. RAM, hard disk, etc.) of the PC or the Device.

2. **Ownership.** The Software is licensed and not sold to you. This Agreement grants you only the right to use the Software, but you do not acquire any rights, express or implied, in the Software other than those specified in this Agreement. Philips and its licensors retain all right, title, and interest in and to the Software, including all patents, copyrights, trade secrets, and other intellectual property rights incorporated therein. The Software is protected by copyright laws, international treaty provisions, and other intellectual property laws. Therefore, other than as expressly set forth herein, you may not copy the Software without prior written authorization of Philips, except that you may make one (1) copy of the Software for your back-up purposes only. You may not copy any printed materials accompanying the Software, nor print more than one (1) copy of any user documentation provided in electronic form, except that you may make one (1) copy of such printed materials for your back-up purposes only.

3. **License Restrictions.** Except as provided otherwise herein, you shall not rent, lease, sublicense, sell, assign, loan, or otherwise transfer the Software. You shall not, and you shall not permit any third party, to reverse engineer, decompile, or disassemble the Software, except to the extent that applicable law expressly prohibits the foregoing restriction. You may not remove or destroy any product identification, copyright notices, or other proprietary markings or restrictions from the Software. All titles, trademarks, and copyright and restricted rights notices shall be reproduced on your back up copy of the Software. You may not modify or adapt the Software, merge the Software into another program or create derivative works based upon the Software.

4. **Termination of certain functionality.** The Software may contain components of certain licensed software including software licensed from Microsoft Corporation ("Microsoft") which implements Microsoft's digital rights management technology for Windows Media. Content providers are using the digital rights management technology for Windows Media ("WM-DRM") to protect the integrity of their content ("Secure Content") so that their intellectual property, including copyright, in such content is not misappropriated. Your Device may also use WM-DRM software to transfer or play Secure Content ("WM-DRM Software"). If the security of such WM-DRM Software is compromised, Microsoft may revoke (either on its own or upon the request of the owners of Secure Content ("Secure Content Owners")) the WM-DRM Software's right to acquire new licenses to copy, store, transfer, display and/or play Secure Content. Revocation does not alter the WM-DRM Software's ability to play unprotected content. A list of revoked WM-DRM Software is sent to your PC and/or your Device whenever you download a license for

Secure Content. Microsoft may, in conjunction with such license, also download revocation lists onto your Device on behalf of Secure Content Owners, which may disable your Device's ability to copy, store, display, transfer, and/or play Secure Content. Secure Content Owners may also require you to upgrade some of the WM-DRM components distributed with this Software ("WM-DRM Upgrades") before accessing their content. When you attempt to play Secure Content, WM-DRM Software built by Microsoft will notify you that a WM-DRM Upgrade is required and then ask for your consent before the WM-DRM Upgrade is downloaded. WM-DRM Software built by Philips may do the same. If you decline the upgrade, you will not be able to access Secure Content that requires the WM-DRM Upgrade; however, you will still be able to access unprotected content and Secure Content that does not require the upgrade. WM-DRM features that access the Internet, such as acquiring new licenses and/or performing a required WM-DRM Upgrade, can be switched off. When these features are switched off, you will still be able to play Secure Content if you have a valid license for such content already stored on your Device. However, you will not be able to use certain of the WM-DRM Software features that require Internet access such as the ability to download content that requires the WM-DRM Upgrade. All title and intellectual property rights in and to the Secure Content is the property of the respective Secure Content owners and may be protected by applicable copyright or other intellectual property laws and treaties. This Agreement grants you no rights to use such Secure Content. **To summarize, if the Software contains Microsoft WM-DRM components – Secure Content you desire to download, copy, store, display, transfer, and/or play is protected by the Microsoft WM-DRM components of the Software. Microsoft, Secure Content Owners, or Secure Content distributors may deny you access, or restrict your access, to Secure Content even after you have paid for, and/or obtained, it. Neither your consent nor the consent or approval of Philips is necessary for any of them to deny, withhold or otherwise restrict your access to Secure Content. Philips does not guaranty that you will be able to download, copy, store, display, transfer, and/or play Secure Content.**

5. **Open Source Software.** (a) This software may contain components that are subject to open-source terms, as stated in the documentation accompanying the Device. This Agreement does not apply to this software as such. (b) Your license rights under this Agreement do not include any right or license to use, distribute or create derivative works of the Software in any manner that would subject the Software to Open Source Terms. "Open Source Terms" means the terms of any license that directly or indirectly (1) create, or purport to create, obligations for Philips with respect to the Software and/or derivative works thereof; or (2) grant, or purport to grant, to any third party any rights or immunities under intellectual property or proprietary rights in the Software or derivative works thereof.

6. **Termination.** This Agreement shall be effective upon installation or first use of the Software and shall terminate (i) at the discretion of Philips, due to your failure to comply with any term of this Agreement; or (ii) upon destruction of all copies of the Software and related materials provided to you by Philips hereunder. Philips's rights and your obligations shall survive the termination of this Agreement.

7. **Upgrades.** Philips may, at its sole option, make upgrades to the Software available by general posting on a website or by any other means or methods. Such upgrades may be made available pursuant to the terms of this Agreement or the release of such upgrades to you may be subject to your acceptance of another agreement.

8. **Support Services.** Philips is not obligated to provide technical or other support ("Support Services") for the Software. If Philips does provide you with Support Services, these will be governed by separate terms to be agreed between you and Philips.

9. **Limited Software Warranty.** Philips provides the Software 'as is' and without any warranty except that the Software will perform substantially in accordance with the documentation accompanying the Software for a period of one year after your first download, installation or use of the Software, whichever occurs first. Philips' entire liability and your exclusive remedy for breach of this warranty shall be, at Philips' option, either (i) return of the price paid by you for the Software (if any); or (b) repair or replacement of the Software that does not meet the warranty set forth herein and that is returned to Philips with a copy of your receipt. This limited warranty shall be void if failure of the Software has resulted from any accident, abuse, misuse or wrongful application. Any replacement Software will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer. This limited warranty shall not apply to you if the Software was provided to you free of charge on an evaluation only basis.

10. NO OTHER WARRANTIES. EXCEPT AS SET FORTH ABOVE, PHILIPS AND ITS LICENSORS DO NOT WARRANT THAT THE SOFTWARE WILL OPERATE ERROR FREE OR UNINTERRUPTED, OR WILL MEET YOUR REQUIREMENTS. YOU ASSUME ALL RESPONSIBILITIES FOR SELECTION OF THE SOFTWARE TO ACHIEVE YOUR INTENDED RESULTS, AND FOR THE INSTALLATION OF, USE OF, AND RESULTS OBTAINED FROM THE SOFTWARE. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, PHILIPS AND ITS LICENSORS DISCLAIM ALL WARRANTIES AND CONDITIONS, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND ACCURACY OR COMPLETENESS OF RESULTS WITH RESPECT TO THE SOFTWARE AND THE ACCOMPANYING MATERIALS. THERE IS NO WARRANTY AGAINST INFRINGEMENT. PHILIPS DOES NOT WARRANT THAT YOU WILL BE ABLE TO DOWNLOAD, COPY, STORE, DISPLAY, TRANSFER, AND/OR PLAY SECURE CONTENT.
11. LIMITATION OF LIABILITY. UNDER NO CIRCUMSTANCES WILL PHILIPS OR ITS LICENSORS BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INDIRECT, INCIDENTAL OR PUNITIVE DAMAGES WHATSOEVER, INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS OR REVENUES, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, LOSS OF DATA, LOSS OF USE OR OTHER PECUNIARY LOSS, EVEN IF PHILIPS OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL PHILIPS' OR ITS LICENSORS' AGGREGATE LIABILITY FOR DAMAGES ARISING OUT OF THIS AGREEMENT EXCEED THE GREATER OF THE PRICE ACTUALLY PAID BY YOU FOR THE SOFTWARE OR FIVE POUNDS STERLING (5.00).
12. Trademarks. Certain of the product and Philips names used in this Agreement, the Software, and the printed user documentation may constitute trademarks of the Philips, its licensors or other third parties. You are not authorized to use any such trademarks.
13. Export Administration. You agree that you will not directly or indirectly, export or re-export the Software to any country for which the United States Export Administration Act, or any similar United States law or regulation requires an export license or other U.S. Government approval, unless the appropriate export license or approval has first been obtained. By downloading or installing the Software you agree to abide by this Export provision.
14. Governing law. This Agreement is governed by the laws of your country of residence , without reference to its conflict of laws principles. Any dispute between you and Philips regarding this Agreement shall be subject to the non-exclusive jurisdiction of the courts of your country of residence.
15. General. This Agreement contains the entire agreement between you and Philips and supersedes any prior representation, undertaking or other communication or advertising with respect to the Software and user documentation. If any part of this Agreement is held invalid, the remainder of this Agreement will continue in full force and effect. This Agreement shall not prejudice the statutory rights of any party dealing as a consumer.

© 2009 Koninklijke Philips Electronics N.V.
All rights reserved.
BDP7500_12_UM_V3.0_1008